

UDOT Minimum Sampling and Testing Requirements

Specification - Material: 02752 Portland Cement Concrete Pavement

Assurance: Sieve Analysis

Reference: AASHTO T 27 / T 11

Lot Size: Paving Day

Frequency per Lot: One per stockpile

Point of Acceptance: Project Stockpile

Sampling Reference: AASHTO T 2

Report/Form:

Assurance: Slump, Air Content, and Concrete Temperature

Reference: AASHTO T 119, AASHTO T 152, AASHTO T 309

Lot Size: Paving Day

Frequency per Lot: Test until three consecutive batches meet specification at beginning of placement, after shutdowns of 1 hour or more, and after each failed batch, Randomly thereafter for each 800 cubic yards. If first determination fails, immediately retest. If the second test meets specification, immediately retest. Batch is rejected on two failed determinations.

Point of Acceptance: Grade in front of the paver for slump and temperature. For air content: in place pavement (as measured at grade in front of paver and adjusted per results of correlation testing).

Sampling Reference: WAQTC TM 2 – Sampling from paving mixers

Report/Form:

Assurance: Air Content Correlation testing to determine loss of entrained air through the paver.

Reference: AASHTO T 152

Lot Size: Paving Day

Frequency per Lot: Two tests, one in the morning and one in the afternoon for each day of paving operations. Perform air test in front of the paver and again from the same load in the finished pavement.

Point of Acceptance: As defined in previous section

Sampling Reference: WAQTC TM 2 – Sampling from paving mixers

Report/Form:

Specification - Material: 02752 Portland Cement Concrete Pavement

Assurance: Compressive Strength Test

Reference: Cast in accordance with AASHTO T 23. Tested in accordance with AASHTO T 22. One compressive strength test consists of a set of three cylinders.

Lot Size: Paving Day

Frequency per Lot: One strength test represents 2600 square yards. Hand-placed areas are considered separately.

Point of Acceptance: Grade in front of the paver

Sampling Reference: MOI 981, WAQTC TM 2 – Sampling from paving mixers

Report/Form: Materials Database

Assurance: Thickness

Reference: Thickness, determined by three measurements on each core, recorded to 1/16 inch and averaged.

Lot Size: Paving Day

Frequency per Lot: One core per 12,000 square ft. Final areas less than 6000 square ft. will be added to the previous section. Final section over 6000 square ft. will constitute a separate area. Hand placements are considered separately. One core per placement area.

Point of Acceptance: Finished pavement

Sampling Reference: Randomly sampled according to AASHTO T 24

Report/Form:

Assurance: Thickness - For placements over existing surfaces

Reference: Graph of the deviations from the profile grade established by the plans or Engineer. Meet requirements listed in 02752.

Lot Size: Paving Day

Frequency per Lot: Engineer takes elevations at 100 ft. intervals and compares against the profile and graph.

Point of Acceptance: Finished pavement

Sampling Reference:

Report/Form:

Assurance: Smoothness

Reference: Standard Specification 01452

Lot Size:

Frequency per Lot:

Point of Acceptance:

Sampling Reference:

Report/Form:
